

Date: Friday, 17/08/2007 11:21:37 AM  
 User: Linda Lacelle

## Process Sheet

Customer : CU-DAR001 Dart Helicopters Services	Drawing Name : COVER PLATE, LH
Job Number : 34093	
Estimate Number : 12221	
P.O. Number : N/A	Part Number : D34671
This Issue : 17/08/2007 S.O. No. : 41A	Drawing Number : D3467 REV B
Prsht Rev. : NC	Project Number : N/A
First Issue : N/A	Drawing Revision : B
Previous Run : 26861	Material : N/A
Written By : <u>07.08.20</u>	Due Date : 11/09/2007 Qty: 10 Um: Each
Checked & Approved By : <u>07.08.20</u>	
Comment : est rev. A 06.04.20 new issue EC	
Est Rev:B As per Rev B 06-05-24 JLM	

## Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
---------	-----------------------	---------------

1.0	M304S26GA	304/316 0.018 SHEET
-----	-----------	---------------------



Comment: Qty.: 0.7718 sf(s)/Unit Total : 7.7175 sf(s)  
 304/316 0.018 SHEET batch: ~~M105 445~~

M105 490 07-09-11

2.0	WATER JET	FLOW WATER JET
-----	-----------	----------------



Comment: FLOW WATER JET  
 Cut as per Dwg D3467  
 Dwg Rev: B  
 Prog Rev: B

M105 07-09-11

(10)

P-10

3.0	QC2	INSPECT PARTS AS THEY COME OFF MACHINE
-----	-----	--



Comment: INSPECT PARTS AS THEY COME OFF MACHINE

M105 07-09-11

4.0	QC8	SECOND CHECK
-----	-----	--------------



Comment: SECOND CHECK

Er 07-09-11

(10) county

5.0	SMALL FAB 1	SMALL & MEDIUM FAB RESOURCE 1
-----	-------------	-------------------------------



Comment: SMALL & MEDIUM FAB RESOURCE 1  
 1-Deburr

2-Form as per dwg D3467

MF

07-10-23

(10)

# Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
07.09.04	2.0	REPLACE SCRAPPED ITEMS. NOTE: DXF FILE SUPPLIED IS BASED ON CURRENT ONGOING REVISION (SEE ATTACHED DWG WITH HANS CHANGES). CHANGE QUANTITY OF REPLACING QTY. (2) Ø0.250" HOLES WITH (Ø0.250) Ø0.250" x 0.500 SLOTS.				07.09.04	07.09.04	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes ☒ No ☐ DQA: ☒ Date: 07/10/23  
QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
07.09.04	2.0	Ø0.250" HOLE LOCATED @ (2,8) COORDINATES (5.875, 7.750) WAS LOCATED @ (5.875, 7.700). 10 PARTS SCRAP		SCRAP & REPLACE	07.09.11 SAD 07/09/11	07/09/11		07.09.04
		EC WAS THE DFX WAS WRONG						

NOTE: Date & initial all entries

Date: Friday, 17/08/2007 11:21:37 AM  
User: Linda Lacelle

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: COVER PLATE, LH

Job Number: 34093

Part Number: D34671

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

8/5 07/10/23 (10)

7.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: GA

mf 07-10-23

8.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

(10)

Job Completion



U 07.10.23

POSITIVE RECALL

EFFECTIVE 07-10-23 AUTH

RELEASED DATE

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

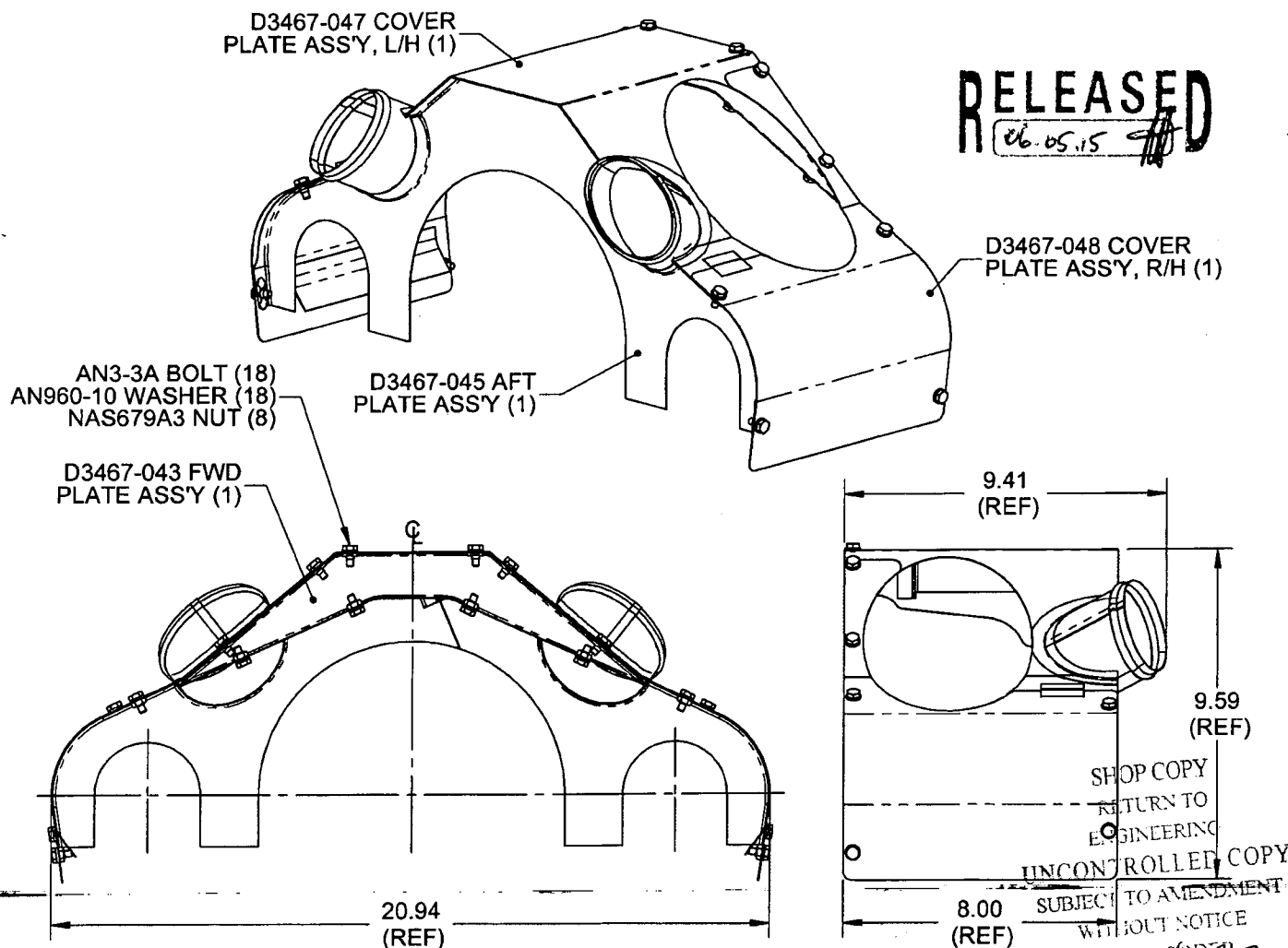
QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

**DART**

DESIGN 13	DRAWN BY 13	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
CHECKED H	APPROVED H	DRAWING NO. D3467	REV. B SHEET 1 OF 15
DATE 06.05.15		TITLE SHROUD ASSEMBLY	SCALE 1:5
A	05.12.07	NEW ISSUE	
B	06.05.15	Ø0.250 & Ø0.203 WERE Ø0.194 ; UPDATED D3467-9F/-15F	

**D3467-041 SHROUD ASSEMBLY****NOTES:**

- 1) IDENTIFY WITH DART P/N D3467-041 USING FINE POINT PERMANENT INK MARKER
- 2) ASSEMBLY IS SYMMETRICAL ABOUT CENTERLINE
- 3) FINISH: NONE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

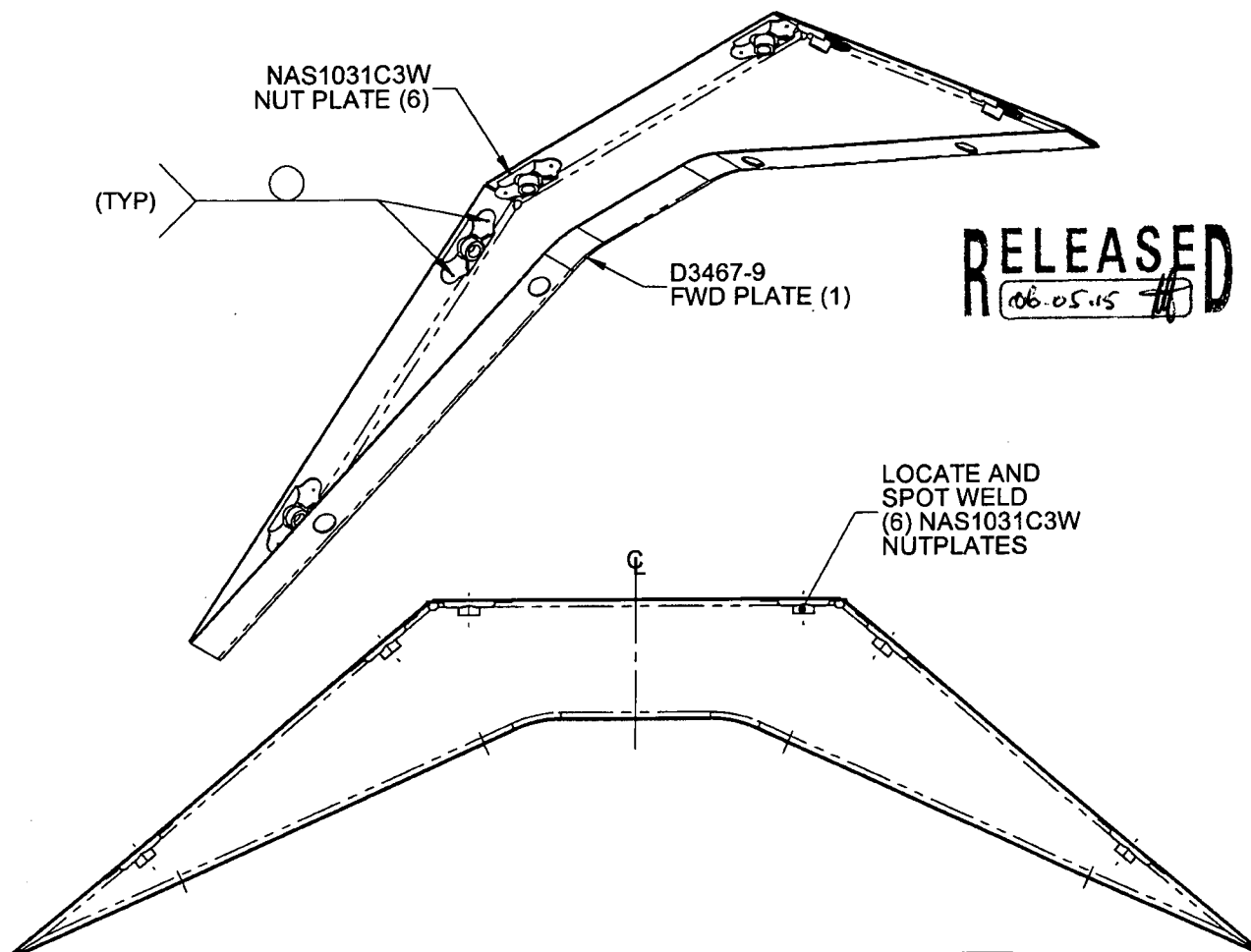
QTY -041	P/N	DESCRIPTION
X	D3467-041	SHROUD ASSEMBLY
1	D3467-043	FWD PLATE ASSEMBLY
1	D3467-045	AFT PLATE ASSEMBLY
1	D3467-047	COVER PLATE ASSEMBLY, L/H
1	D3467-048	COVER PLATE ASSEMBLY, R/H
18	AN3-3A	BOLT
18	AN960-10	WASHER
8	NAS679A3	NUT

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CHECKED 13	APPROVED 13	DRAWING NO. D3467	REV. B SHEET 2 OF 15
DATE 06.05.15		TITLE SHROUD ASSEMBLY	SCALE 1:2



QTY -043	P/N	DESCRIPTION
X	D3467-043	FWD PLATE ASSEMBLY
1	D3467-9	FWD PLATE
6	NAS1031C3W	NUT PLATE

**D3467-043 FWD PLATE ASSEMBLY****NOTES:**

- 1) SPOT WELD PER DART QSI 004
- 2) FINISH: NONE
- 3) ASSEMBLY IS SYMETRICAL ABOUT CENTER LINE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

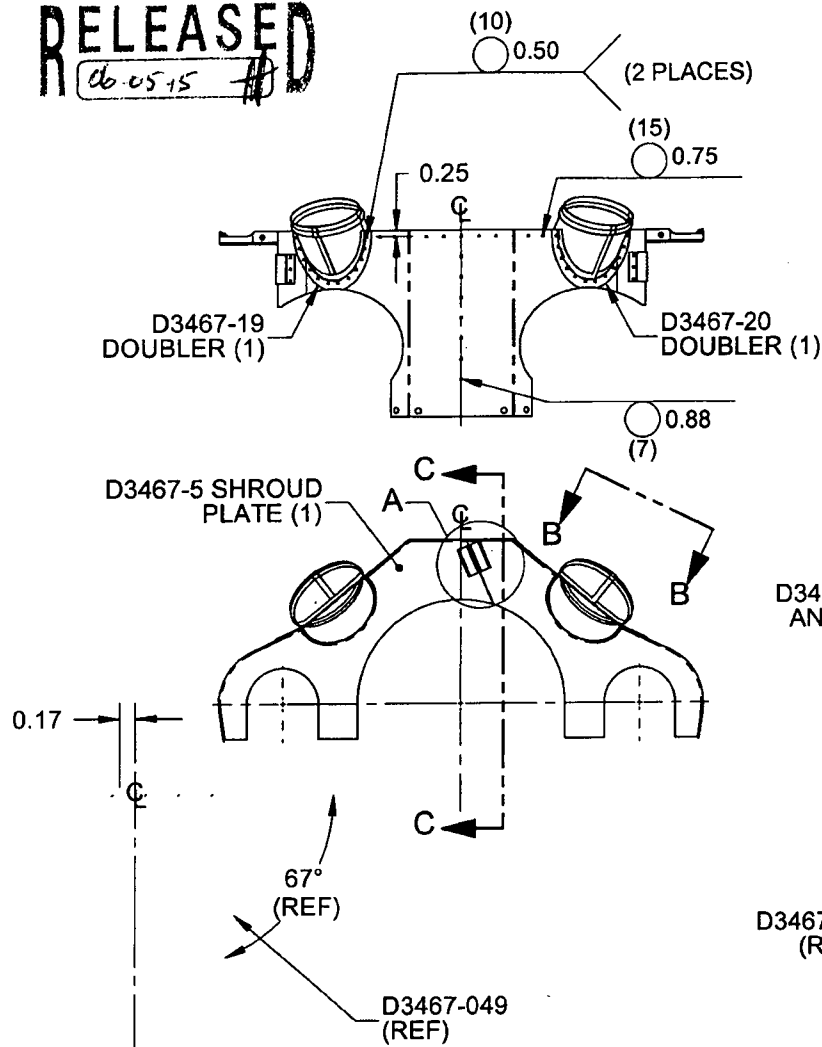
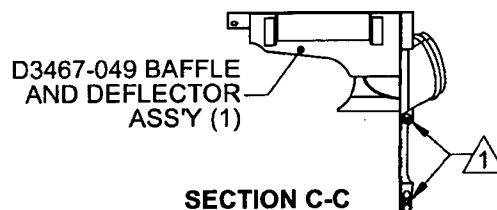
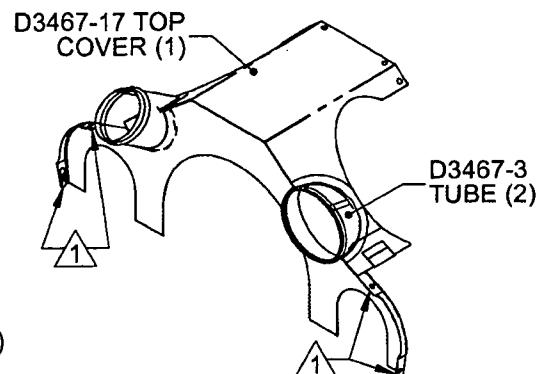
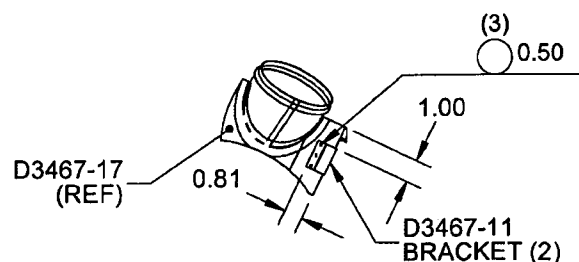
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DATE <b>06.05.15</b>		TITLE <b>SHROUD ASSEMBLY</b>	SCALE 1:8

**RELEASED**  
06-05-15**DETAIL A**  
SCALE 1:2**SECTION C-C****VIEW B-B: WELDING D3467-11**  
D3467-047 NOT SHOWN FOR CLARITY  
(2 PLACES)**D3467-045 AFT PLATE ASSEMBLY****NOTES:**

- 1) LOCATE AND SPOT WELD NAS1031C3W NUTPLATE (4) TO D3467-5 PRIOR WELDING OTHER PARTS TO D3467-5
- 2) SPOT WELD PER DART QSI 004
- 3) FINISH: NONE
- 4) ASSEMBLY IS SYMMETRICAL ABOUT CENTERLINE
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) ALL DIMENSIONS ARE IN INCHES
- 7) BREAK ALL SHARP EDGES 0.005 TO 0.010

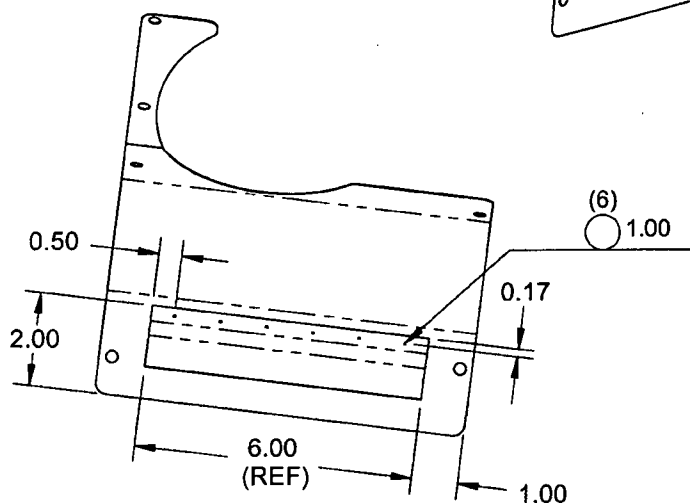
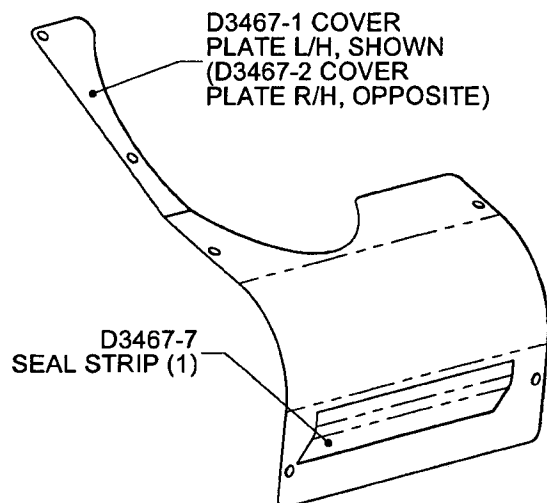
QTY -045	P/N	DESCRIPTION
X	D3467-045	AFT PLATE ASSEMBLY
1	D3467-049	BAFFLE AND DEFLECTOR ASSEMBLY
2	D3467-3	TUBE
1	D3467-5	SHROUD PLATE
2	D3467-11	BRACKET
1	D3467-17	TOP COVER
1	D3467-19	DOUBLER
1	D3467-20	DOUBLER
4	NAS1031C3W	NUT PLATE

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CHECKED [Signature]	APPROVED [Signature]	DRAWING NO. <b>D3467</b>	REV. B SHEET 4 OF 15
DATE <b>06.05.15</b>		TITLE <b>SHROUD ASSEMBLY</b>	SCALE 1:4

**RELEASED**  
06.05.15

**D3467-047 COVER PLATE ASS'Y L/H, SHOWN**  
**D3467-048 COVER PLATE ASS'Y R/H, OPPOSITE**

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34693

**NOTES:**

- 1) WELD PER DART QSI 004
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

QTY -047	QTY -048	P/N	DESCRIPTION
X		D3467-047	COVER PLATE ASSEMBLY, L/H
	X	D3467-048	COVER PLATE ASSEMBLY, R/H
1		D3467-1	COVER PLATE, L/H
	1	D3467-2	COVER PLATE, R/H
1	1	D3467-7	SEAL STRIP

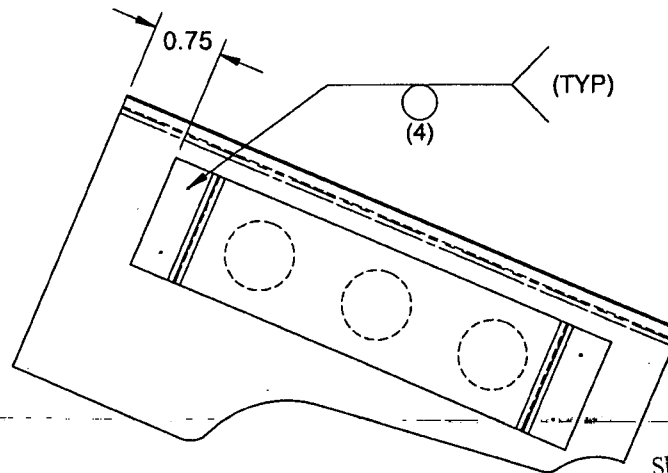
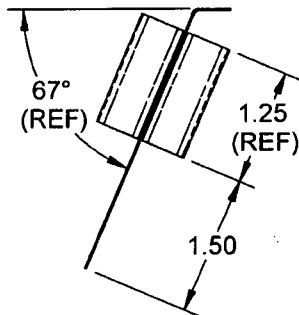
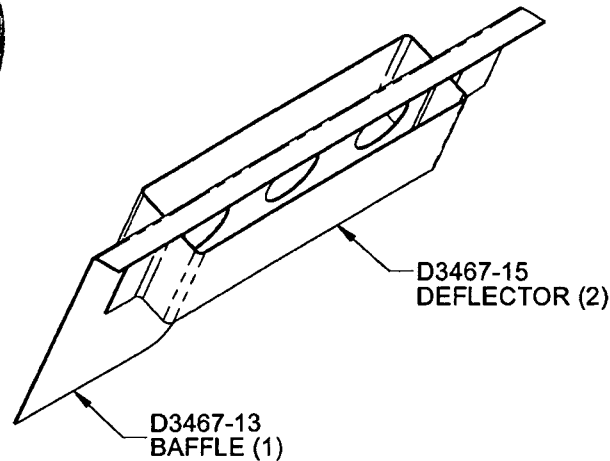
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DATE <b>06.05.15</b>		TITLE <b>SHROUD ASSEMBLY</b>	SCALE 1:2

**RELEASED**  
06.05.15**D3467-049 BAFFLE & DEFLECTOR ASSEMBLY**

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**NOTES:**

- 1) SPOT WELD PER DART QSI 004
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018  
UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

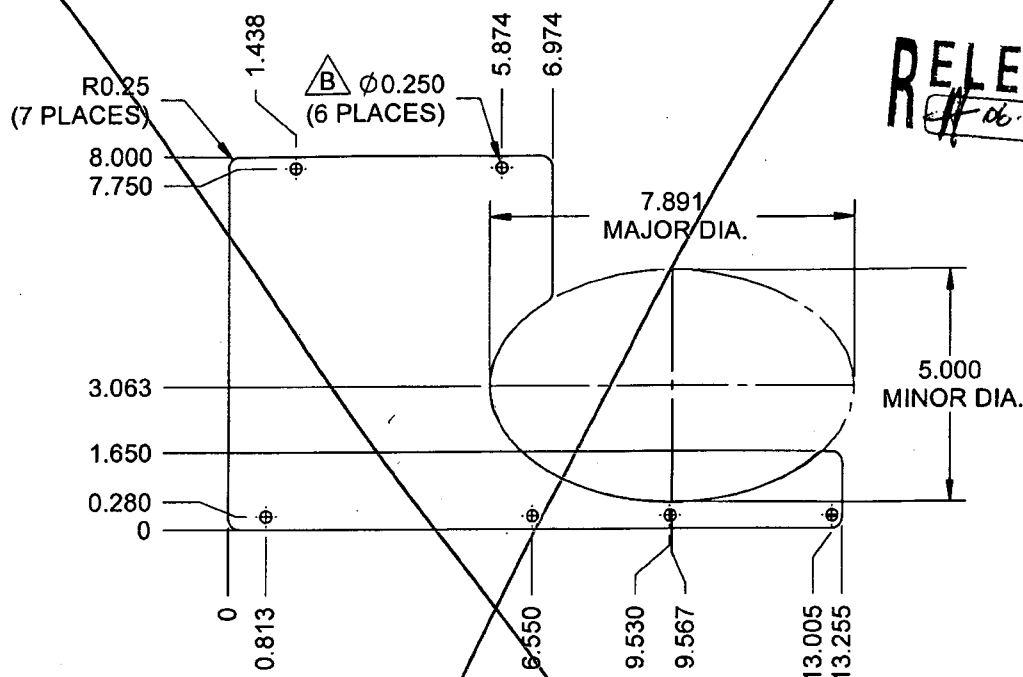
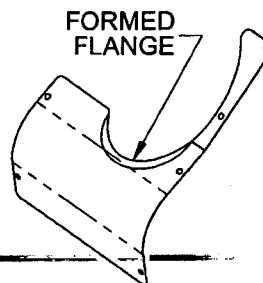
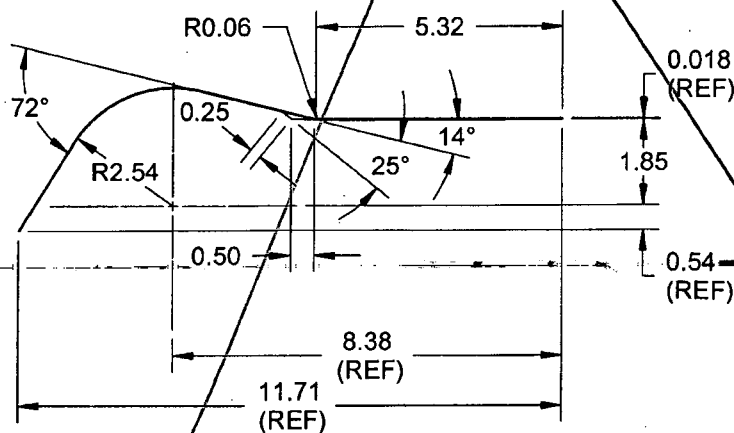
QTY -049	P/N	DESCRIPTION
	<b>D3467-049</b>	<b>BAFFLE &amp; DEFLECTOR ASSEMBLY</b>
1	D3467-13	BAFFLE
2	D3467-15	DEFLECTOR

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DATE <b>06.05.15</b>		TITLE <b>SHROUD ASSEMBLY</b>	SCALE 1:4

**RELEASED**  
#06-05-15**D3467-1F COVER PLATE FLAT PATTERN****D3467-1 L/H COVER PLATE ISOMETRIC VIEW.**  
**D3467-2 R/H COVER PLATE (OPPOSITE)**

SCALE 1:8

**NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH 26 GAUGE SS (0.018 THICK) (REF. DART SPEC. M304S26GA)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

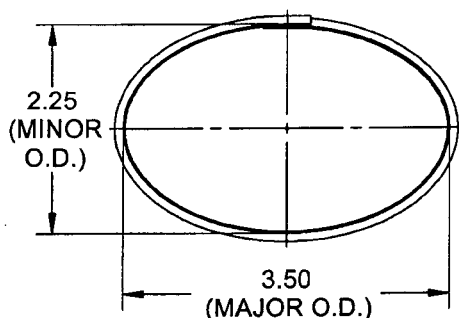
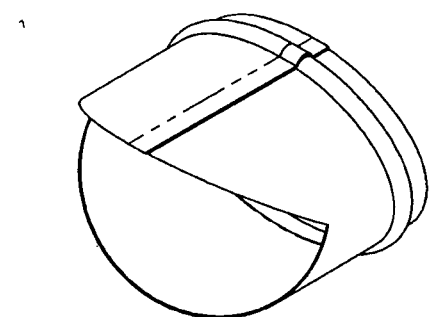
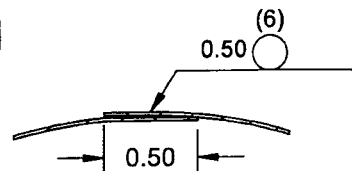
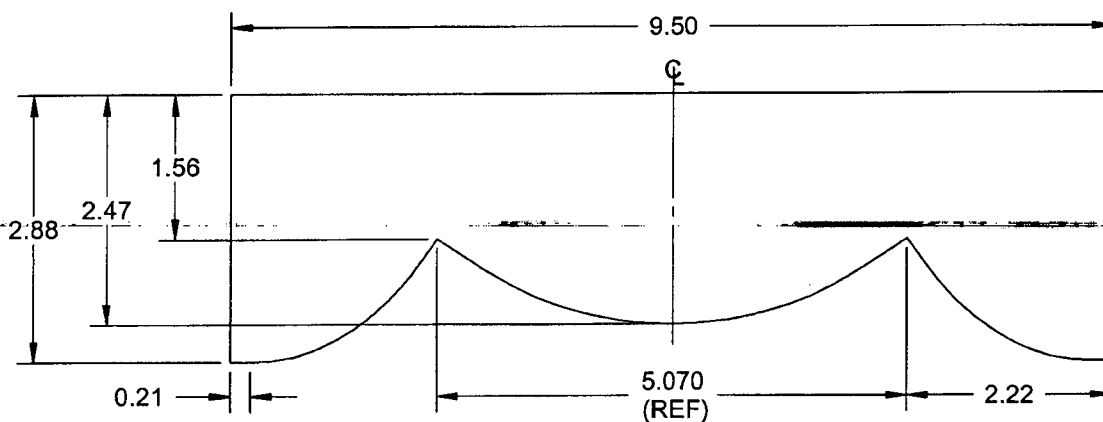
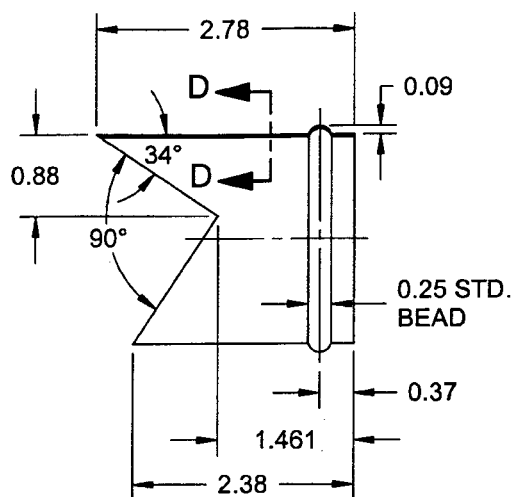
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DATE <b>06.05.15</b>		TITLE <b>SHROUD ASSEMBLY</b>	SCALE 1:2

**RELEASED**  
06.05.15**D3467-3 TUBE DETAIL****SECTION D-D**  
SCALE 1:1**D3467-3F TUBE FLAT PATTERN****NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH  
26 GAUGE SS (0.018 THICK)  
(REF. DART SPEC. M304S26GA)
- 2) FLAT PATTERN IS SYMMETRICAL ABOUT CENTERLINE
- 3) SPOT WELD PER DART QSI 004
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

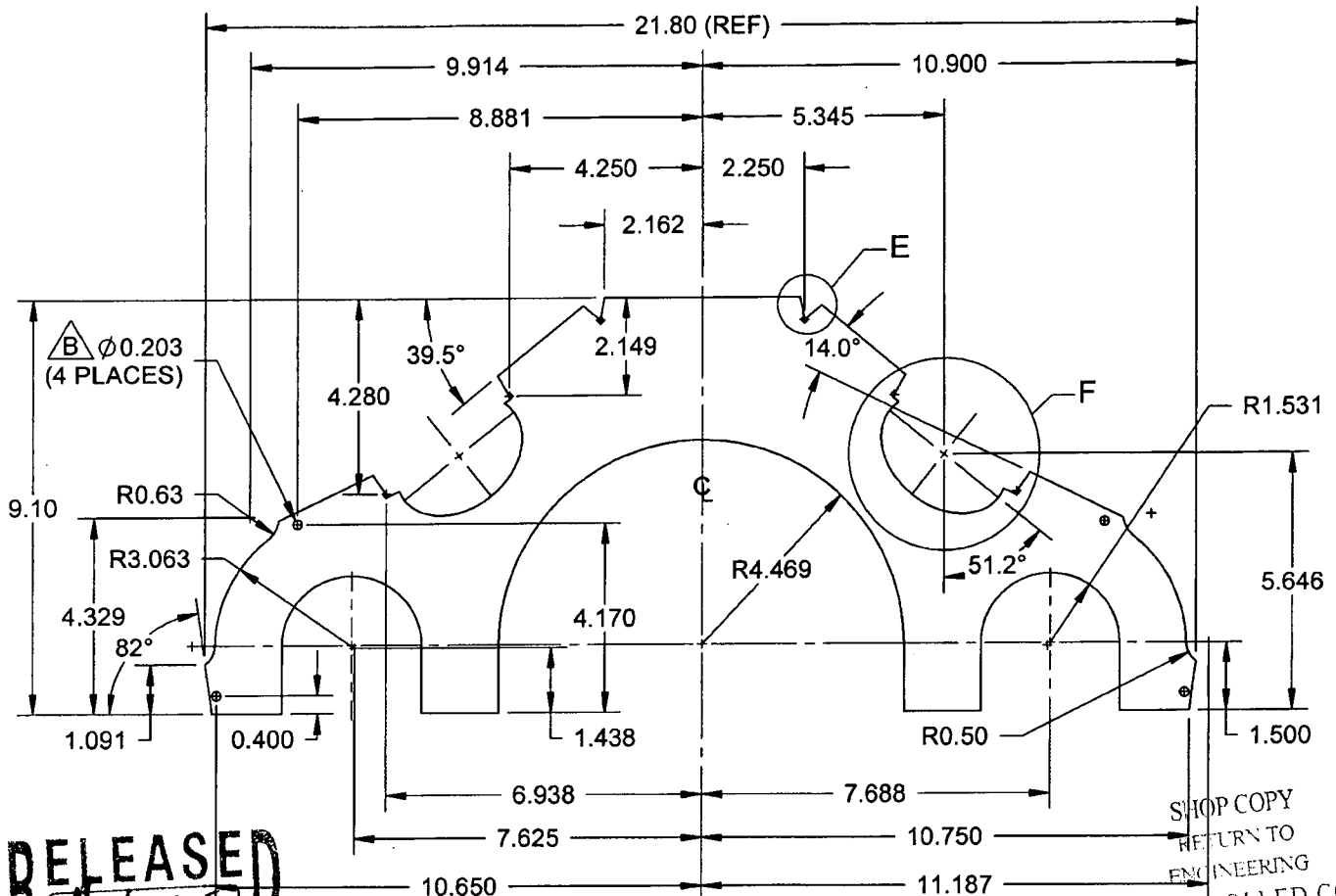
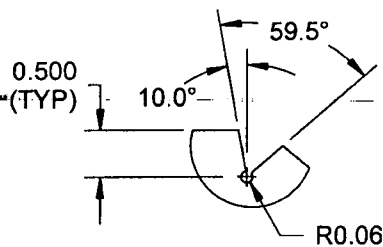
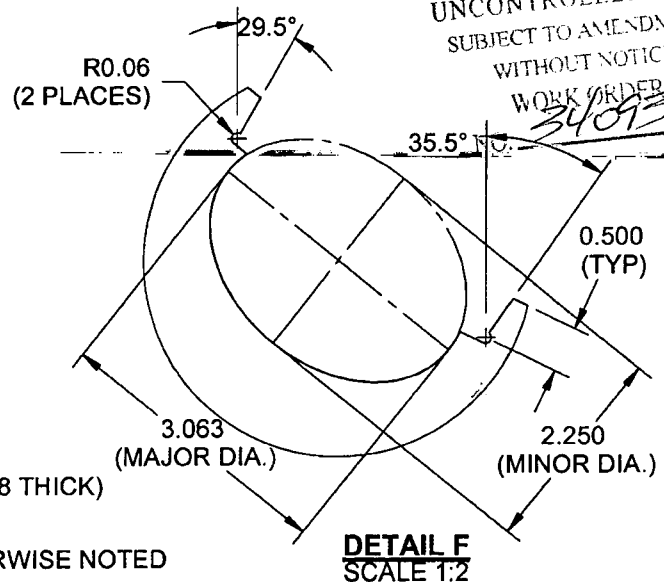
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CHECKED 13	APPROVED 13	DRAWING NO. <b>D3467</b>	REV. B SHEET 8 OF 15
DATE <b>06.05.15</b>		TITLE <b>SHROUD ASSEMBLY</b>	SCALE 1:8

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34013**DETAIL E**  
SCALE 1:2**DETAIL F**  
SCALE 1:2**D3467-5F AFT PLATE FLAT PATTERN****NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019  
(ANNEALED) 2B FINISH 26 GAUGE SS (0.018 THICK)  
(REF. DART SPEC. M304S26GA)
- 2) PART IS SYMMETRICAL ABOUT CENTERLINE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

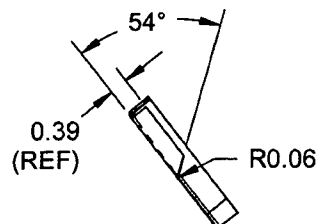
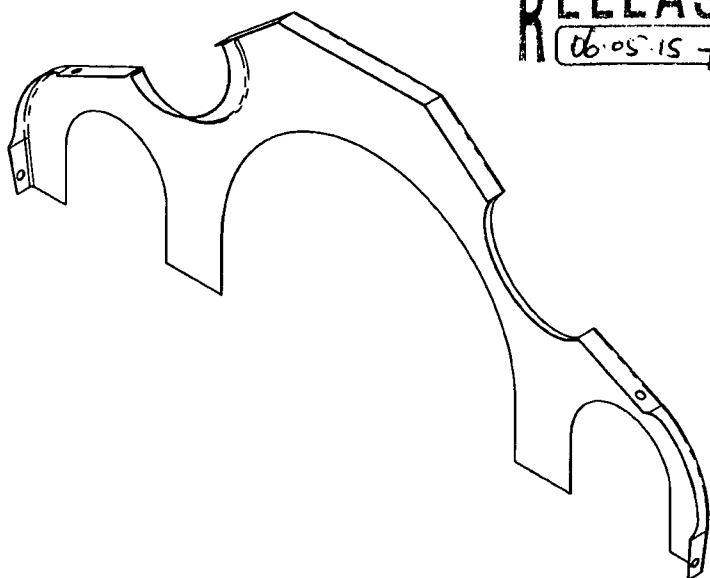
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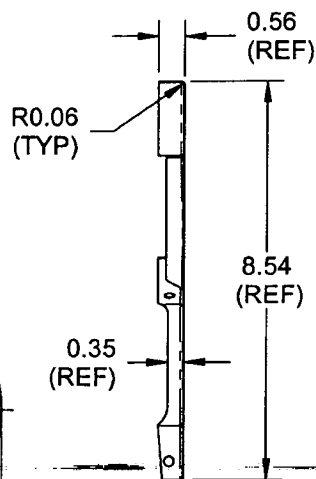
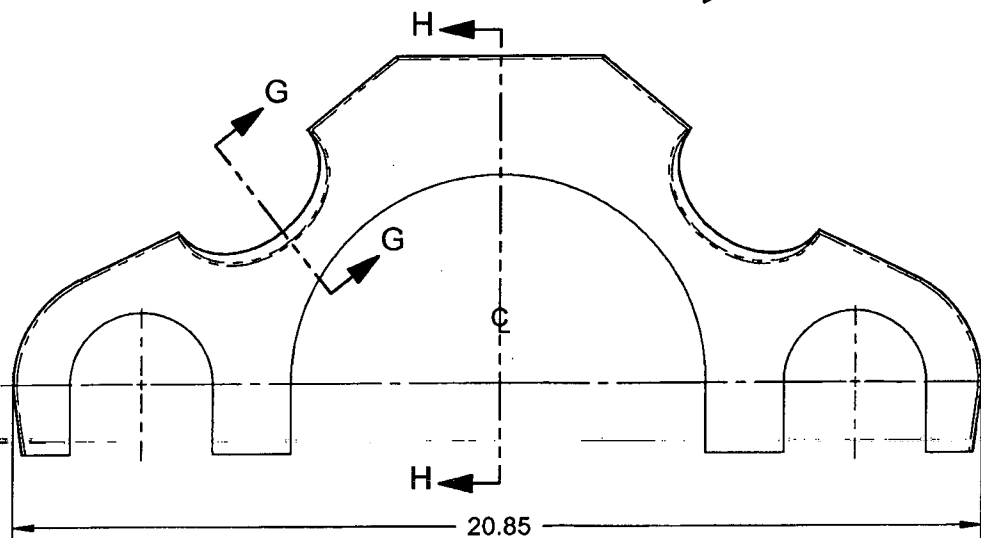


DESIGN <i>B</i>	DRAWN BY <i>B</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>A</i>	APPROVED <i>A</i>	DRAWING NO. D3467	REV. B SHEET 9 OF 15
DATE 06.05.15		TITLE SHROUD ASSEMBLY	SCALE 1:4

RELEASED  
06.05.15 *A*



**SECTION G-G**



**SECTION H-H**

**D3467-5 AFT PLATE BENDING DETAIL**

**NOTES:**

- 1) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 2) ALL DIMENSIONS ARE IN INCHES
- 3) BREAK ALL SHARP EDGES 0.005 TO 0.010

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WORK ORDER  
NO. *34693*

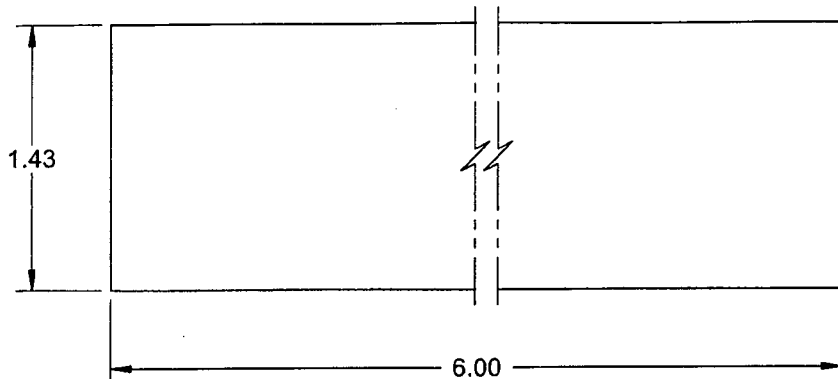
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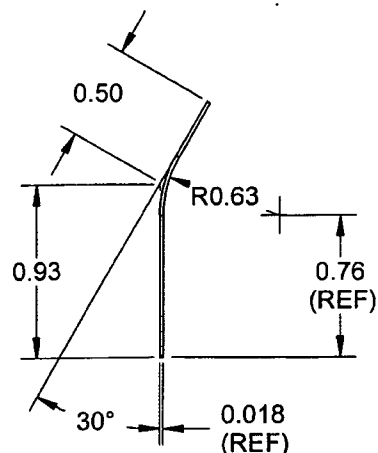


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DATE 06.05.15		TITLE SHROUD ASSEMBLY	SCALE 1:1

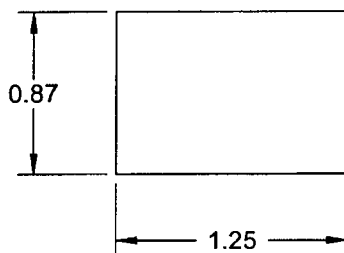
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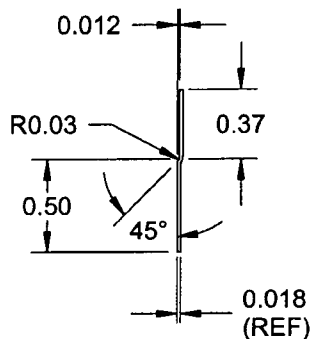
**D3467-7F SEAL STRIP  
FLAT PATTERN**



**D3467-7 SEAL STRIP  
BENDING DETAIL**



**D3467-11F BRACKET  
FLAT PATTERN**



**D3467-11 BRACKET  
JOGGLE DETAIL**

**NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH  
26 GAUGE SS (0.018 THICK)  
(REF. DART SPEC. M304S26GA)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

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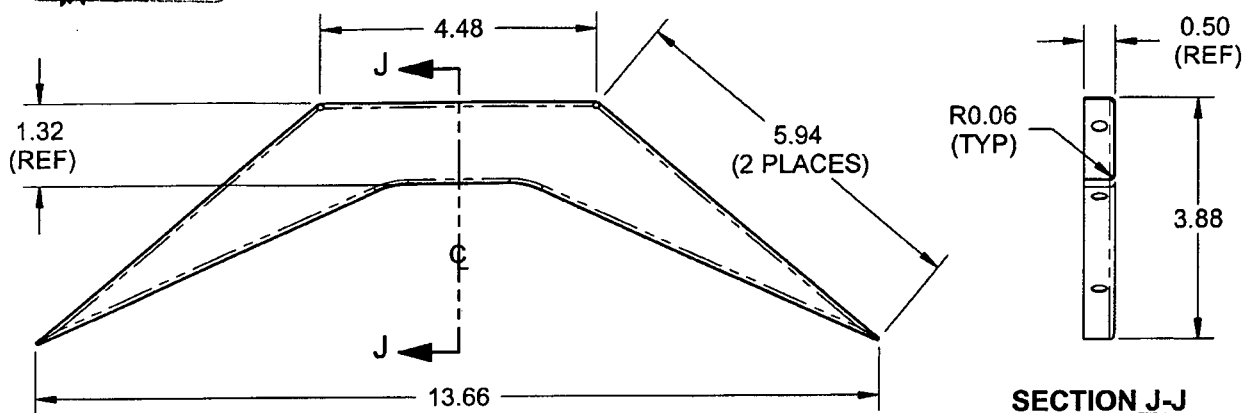
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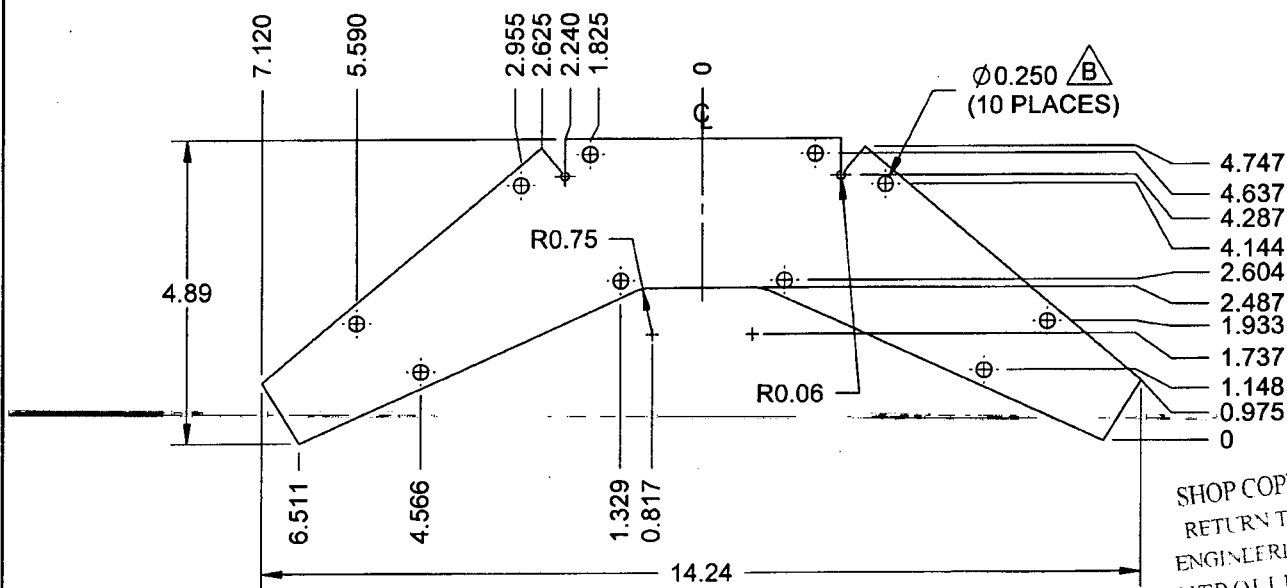


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DATE 06.05.15		TITLE SHROUD ASSEMBLY	SCALE 1:3

RELEASED  
06.05.15



**D3467-9 FWD PLATE BENDING DETAIL**



**D3467-9F FWD PLATE FLAT PATTERN**

**NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH  
26 GAUGE SS (0.018 THICK)  
(REF. DART SPEC. M304S26GA)
- 2) PART IS SYMMETRICAL ABOUT CENTER LINE
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

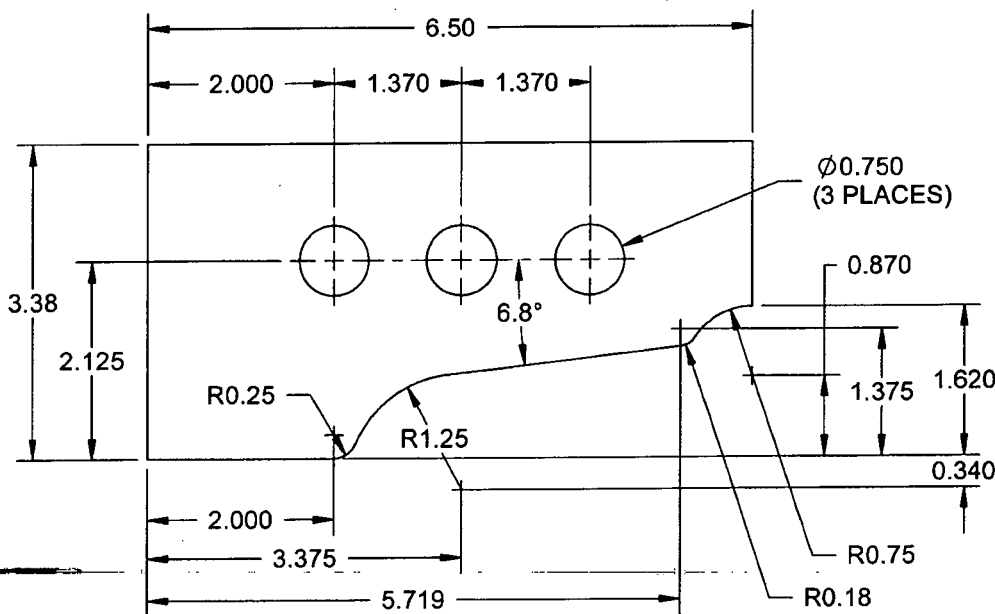
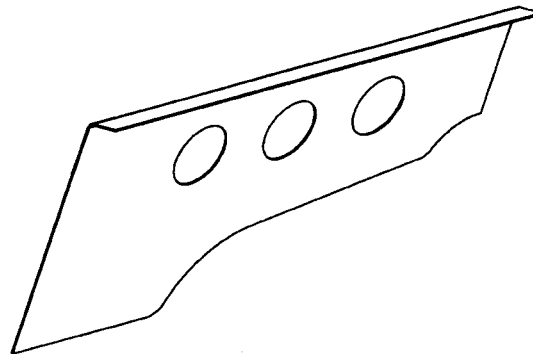
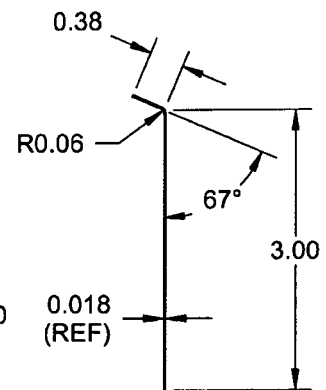
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DATE 06.05.15		TITLE SHROUD ASSEMBLY	SCALE 1:2

**RELEASED**  
06.05.15**D3467-13F BAFFLE  
FLAT PATTERN****D3467-13 BAFFLE  
BEND DETAIL****NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH  
26 GAUGE SS (0.018 THICK)  
(REF. DART SPEC. M304S26GA)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

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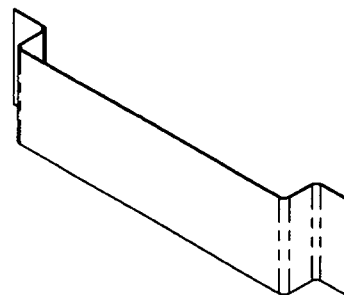
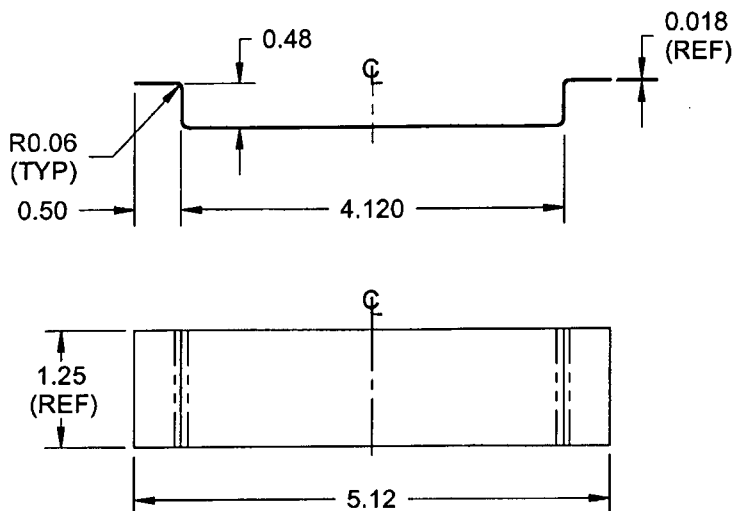
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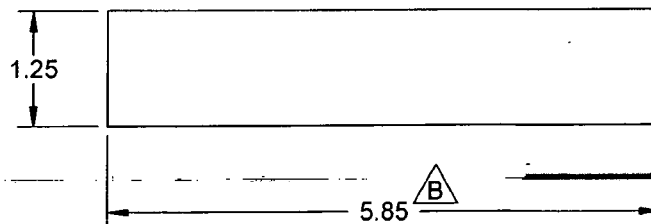


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DATE 06.05.15		TITLE SHROUD ASSEMBLY	SCALE 1:2

RELEASED  
*06.05.15*



### D3467-15 DEFLECTOR BENDING DETAIL



### D3467-15F DEFLECTOR FLAT PATTERN

#### NOTES:

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH  
26 GAUGE SS (0.018 THICK)  
(REF. DART SPEC. M304S26GA)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

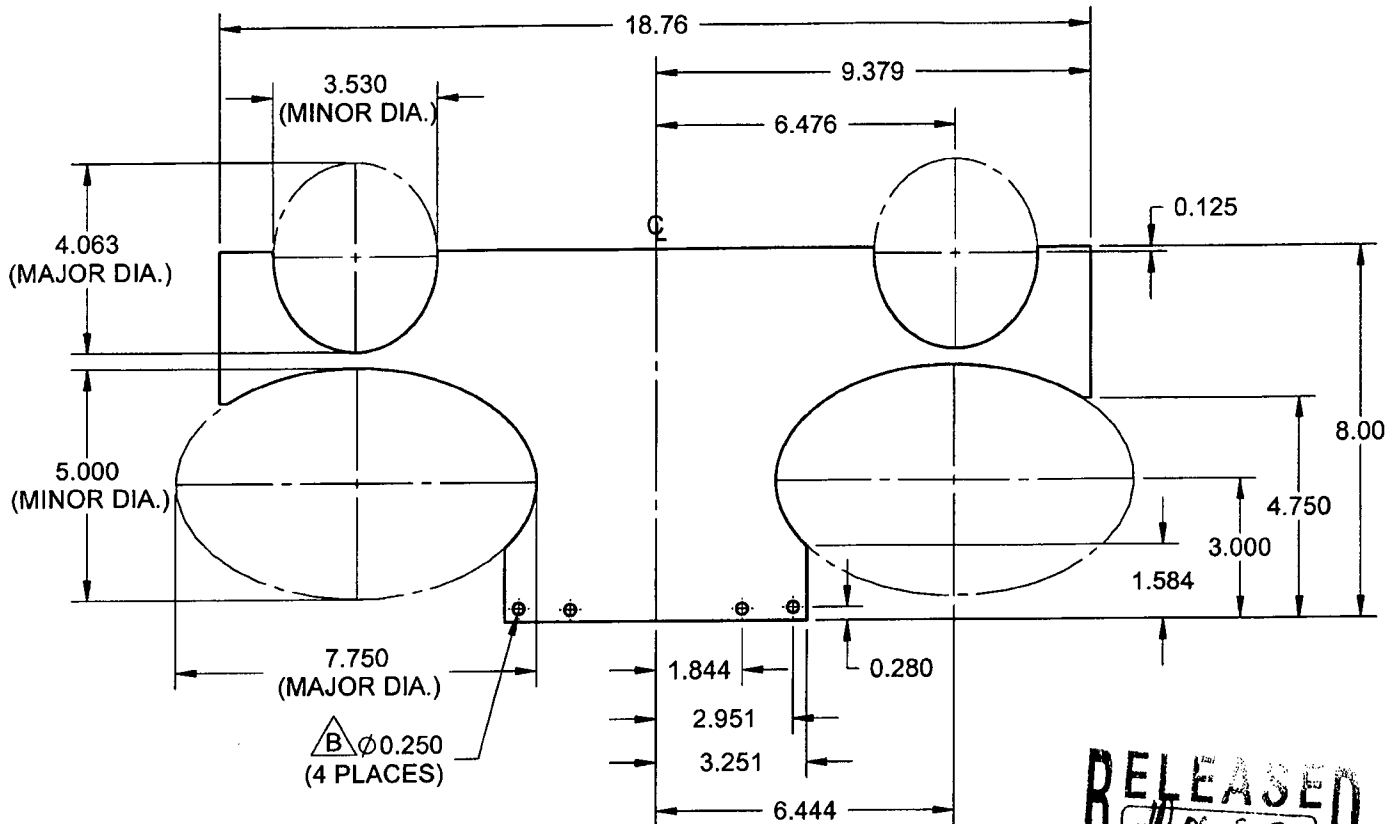
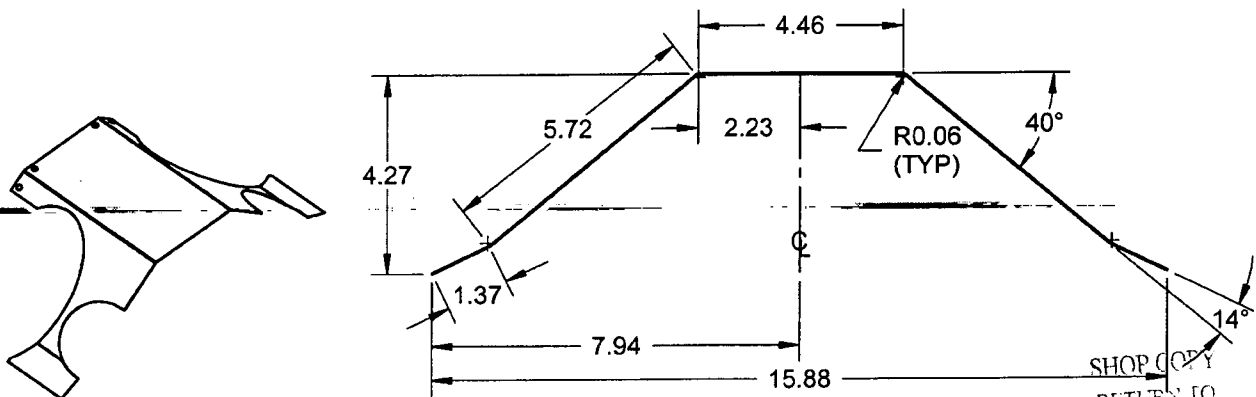
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DATE 06.05.15		TITLE SHROUD ASSEMBLY	SCALE 1:4

**D3467-17F TOP COVER FLAT PATTERN****RELEASED**  
06.05.15**D3467-17 TOP COVER BENDING DETAIL****NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH  
26 GAUGE SS (0.018 THICK)  
(REF. DART SPEC. M304S26GA)
- 2) FINISH: NONE
- 3) PART IS SYMMETRICAL ABOUT CENTERLINE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

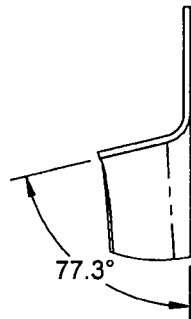
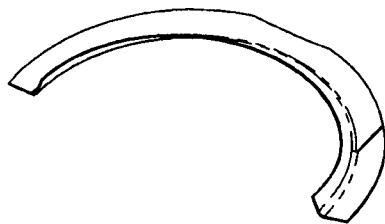
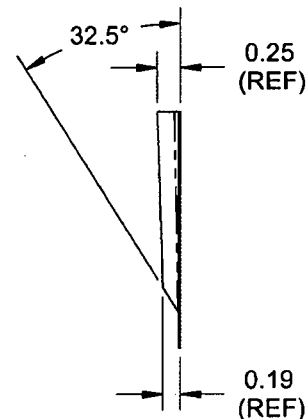
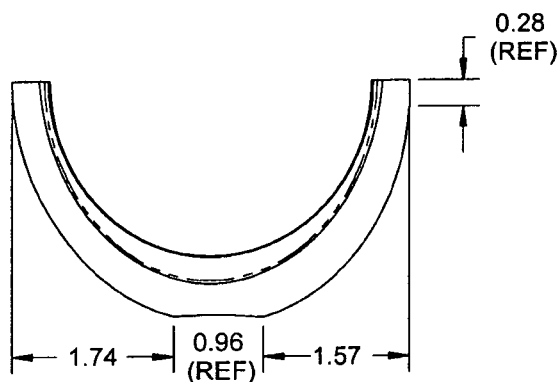
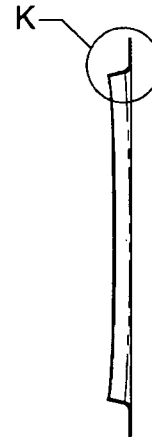
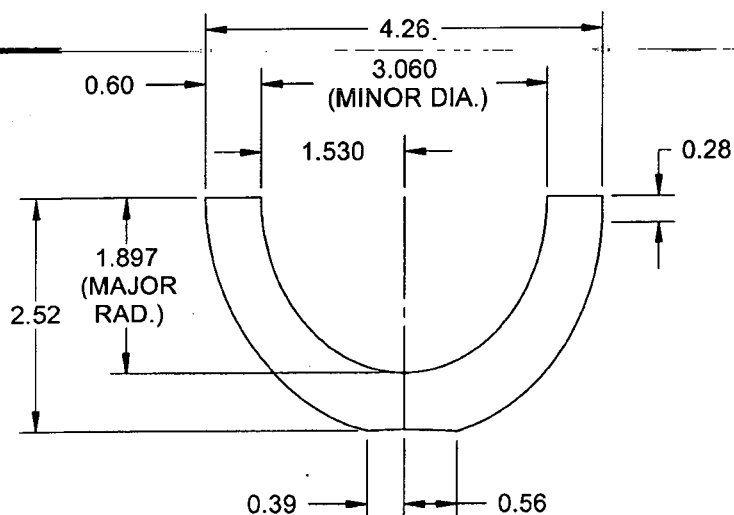
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DATE <b>06.05.15</b>		TITLE <b>SHROUD ASSEMBLY</b>	SCALE 1:2

**RELEASED**  
*06.05.15***DETAIL K**  
SCALE 1:2**D3467-19 DOUBLER, L/H SHOWN**  
**D3467-20 DOUBLER, R/H OPPOSITE**SHOP COPY  
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WITHOUT NOTICE**D3467-19F FLAT PATTERN****NOTES:**

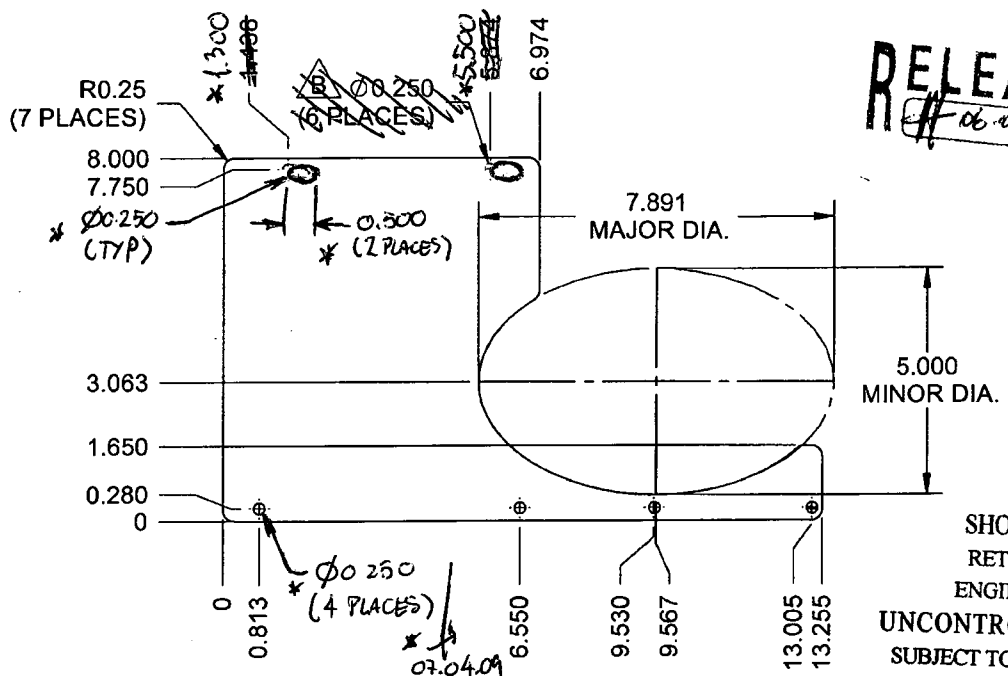
- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH 26 GAUGE SS (0.018 THICK) (REF. DART SPEC. M304S26GA)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

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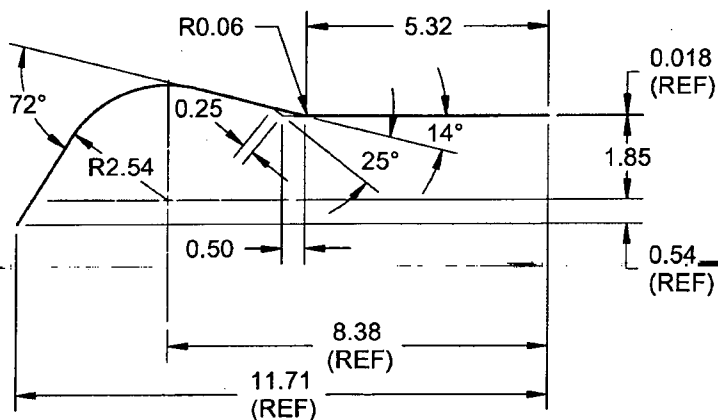
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DATE <b>06.05.15</b>		TITLE <b>SHROUD ASSEMBLY</b>	SCALE 1:4



**D3467-1F COVER PLATE FLAT PATTERN**

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**D3467-1 L/H COVER  
PLATE ISOMETRIC VIEW.  
D3467-2 R/H COVER  
PLATE (OPPOSITE)  
SCALE 1:8**

**NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH  
26 GAUGE SS (0.018 THICK)  
(REF. DART SPEC. M304S26GA)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

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